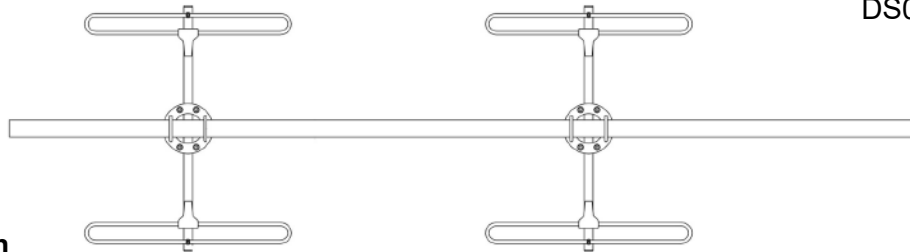




2-Stacked Four-Dipole Phased Array Antenna 155-175MHz

Model: 104A-SMD-37G-6
DS040460



Description

- The antenna is an 'elliptical omni' array of phased centre fed folded dipoles mounted on an aluminium mast for PMR / Trunked radio applications.
- Each folded dipole balun assembly and associated harness junction is completely encapsulated in polyurethane resin, totally preventing moisture ingress.
- At VHF the antenna disassembles and flat packs for ease of shipping.

Electrical Specifications

Parameter	Value
Frequency	155 – 175 MHz
Max. Input Power	500 W
Polarisation	Vertical
3 dB Beamwidth, E-Plane	36°
3 dB Beamwidth, H-Plane	Elliptical omni
Impedance	50 Ω
Gain	6 dBd (8.2 dBi)
VSWR	< 1.5:1
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)



Mechanical Specifications

Parameter	Value
Elements	19.1 x 1.6 mm dia. / 0.75 x 0.06 in. wall aluminium alloy grade 6063T6
Connection(s)	N(f) on RG213/U cable
Boom Material	63.5 x 6.3 mm dia. / 2.5 x 0.25 in. wall aluminium alloy grade 6082T6
Fasteners	Stainless steel grade A2-70
Length	Approx. 4000 mm / 157.4 in.
Element Clamps	Cast aluminium alloy
Wind Load	419 N (160 km/h)
Weight	Approx. 13 kg / 28.66 lb.
Balun Encapsulant	Polyurethane Resin U-600

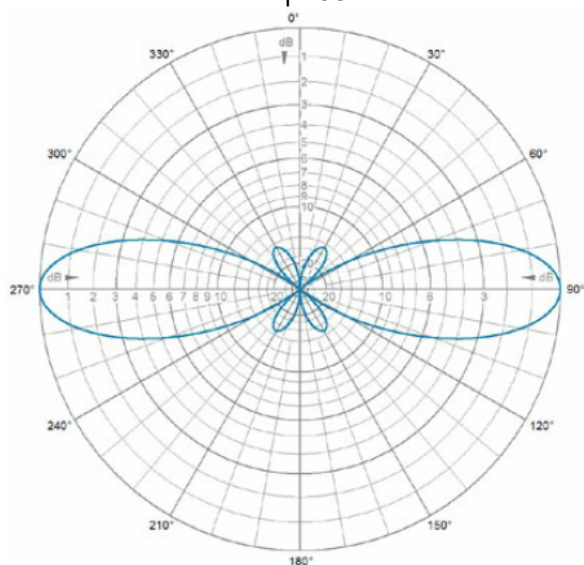
Environmental Specifications

Parameter	Value
Ingress Protection	IP68

Model / Ordering Information

Model	Description	Frequency
104A-SMD-37G-6	2-stacked four-dipole phased array	155 – 175 MHz

E-Plane | 165 MHZ



H-Plane | 165 MHZ

